

New York State Department of Transportation

Yellow Flag NB23T6W001

By: Frank DiCasoli

Flag Date: June 14, 2023

Superseding Information:

No Flags Superseded

Structure Information

BIN: 1065318

Feature Carried: 278I278IX2M23027

Feature Crossed: 6TH AVENUE

Orientation: 8 - NORTHWEST

Region: 11 - NEW YORK CITY

County: KINGS

Political Unit: City of NEW YORK

Approximate Year Built: 1962

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Not Posted for Load

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party

Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

Number of Spans: 322

Verbal Notification Information

Person Notified: Muhammad Mubeen

Date: June 14, 2023 5:40:00 PM

Of: NYSDOT Region 11

Signature Information

Signature: Frank DiCasoli, P.E. 104533-1

Date: June 20, 2023

Reviewed By: Robert Kemp

Date: June 21, 2023

Attachments: 5

Flagged Elements

Parent Element	Element	Total Quantity	Unit
Span Number : 123			
	113 - Steel Stringer	104	ft
	PR831 - Steel Beam End	34	each

Flagged Condition Description

This Yellow Flag No. NB23T6W001 is NEW.

Location: Span 123, Stringer S2 at Pier 122 above the left lane of eastbound 3rd Avenue.

Description:

Span 123, Stringer S2 at Pier 122 exhibits 4 of 4 missing bolts to both the left and right guide angles at the connection to the Pier 122 pier cap. (Photo #1 and #4). Additionally, the right guide angle of the previous repair, installed behind the pier web repair plate at this location, is cracked for its full height. (Photo #1, #2, & #3).

Notes:

1. The cracked right guide angle (at top and at bottom), is visible from the top of the angle/repair plate looking down and from the bottom, looking thru the hole of the missing bolt of the web repair plate and is assumed to be a full height crack in this guide angle.
2. Both the left and right anchor bolts of Stringer S2 are sheared off at the bearing area. There are several double angle connections from the Stringer S2 bottom flange to Girder G15 web throughout the span length which would prevent this stringer from moving off its bearing area, therefore this is not a safety issue.
3. Stringer S2 at this location is a curb girder and receives no direct live loading, but supports the barrier/railing above on I278.

Flag Photographs

Photo Number: 1

Photo Filename: Span 123 Location Plan 2.jpg

Gowanus Expressway
2023 Biennial Inspection - Field Sketch

BIN: 1065318

Team: FD/TS

Date: 06/14/23

Span: 123

Location: Span 123

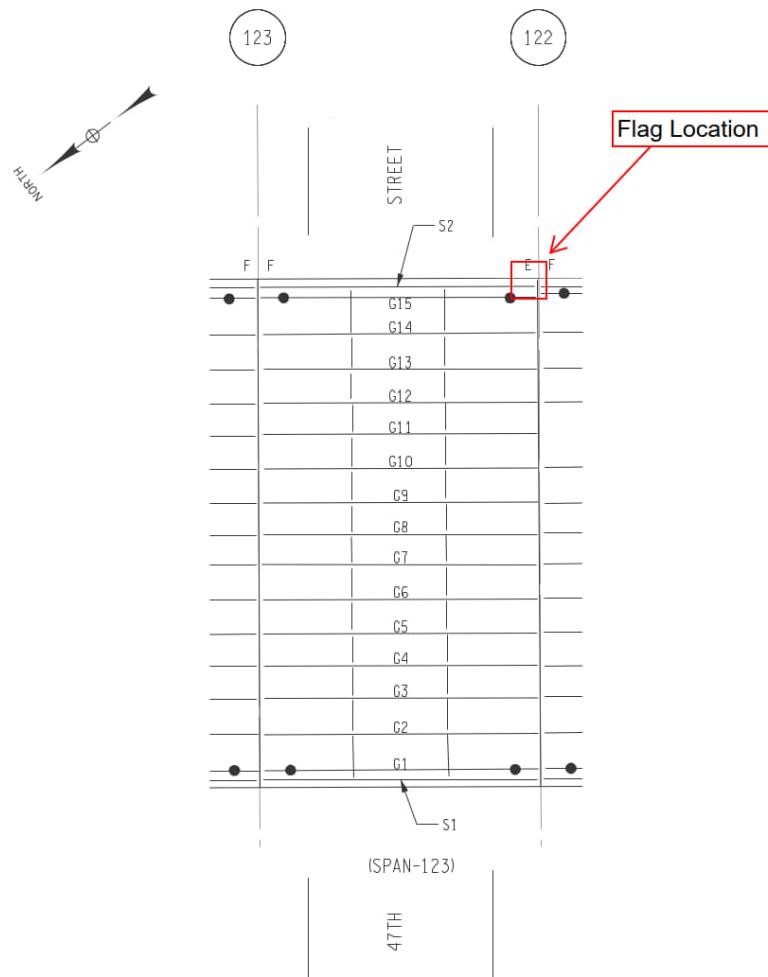
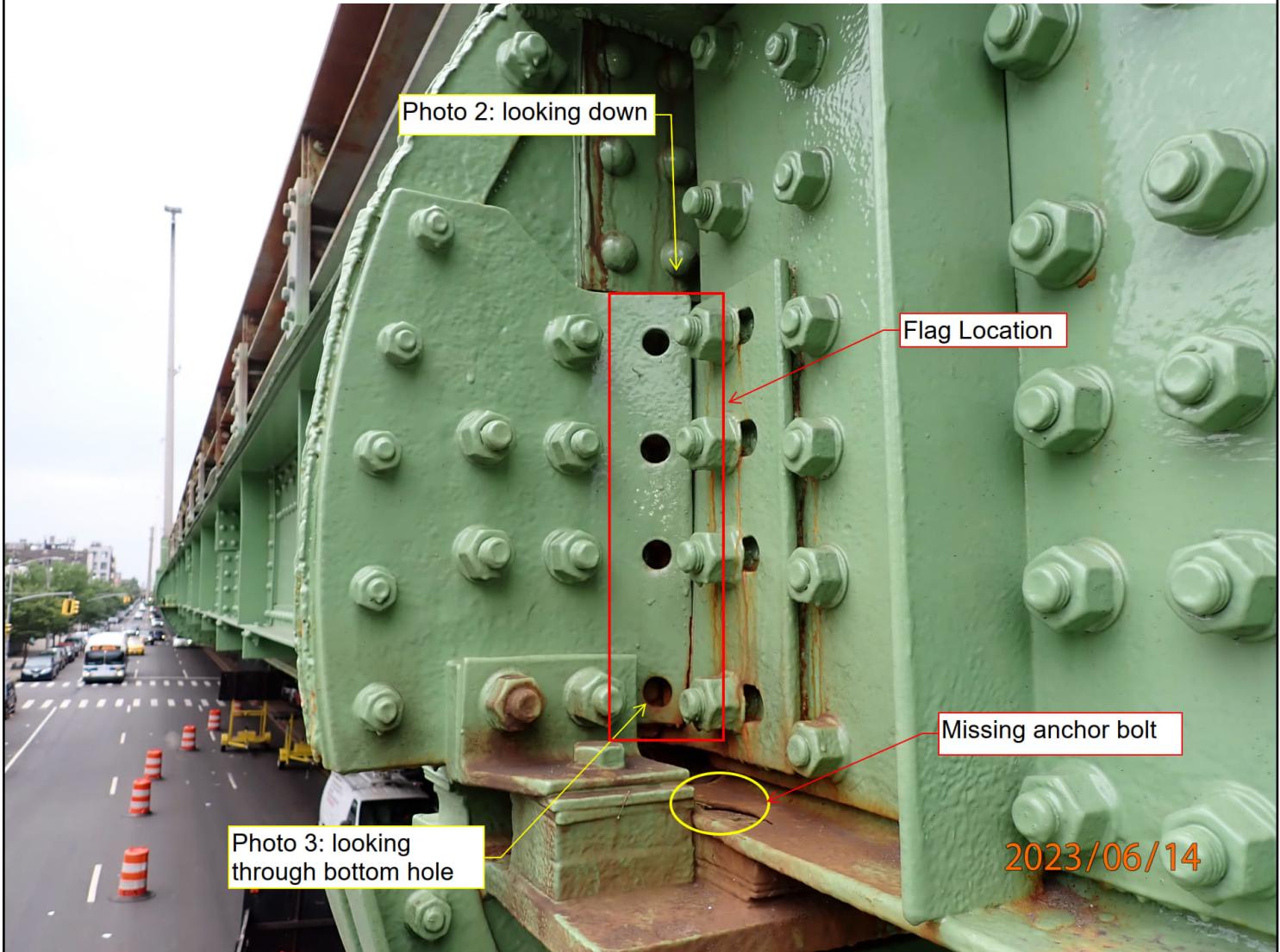
**Attachment Description: Flag Location Sketch**

Photo Number: 2

Photo Filename: Photo 1 GV marked.jpg



Attachment Description: Photo 1: General view of Stringer 2 right face at Pier 122. Four of four bolts are missing from the previous web repair plate and the previous repair guide angle installed behind the web plate repair is cracked for its full height. See Photo #2 for view from the top of the cracked guide angle and Photo #3 for bottom view of the cracked guide angle thru the missing bolt hole. Look Begin.

Photo Number: 3

Photo Filename: P6145387.JPG Marked.jpg



Attachment Description: Photo 2: Close up view of Stringer S2 right guide angle with crack. Looking down from the top of the previous repair (See Photo #1).

Photo Number: 4

Photo Filename: P6145386.JPG Marked.jpg



Attachment Description: Photo 3: Close up view of cracked guide angle at the base, which is visible through the missing bolt hole of the previous web repair.

Photo Number: **5**Photo Filename: **P6145384.JPG**

Attachment Description: Photo 4:General view of Stringer S2 left side guide angle with 4 of 4 missing bolts.
Looking Begin.